

# IOWA STATE UNIVERSITY

## Digital Repository

---

Volume 12

Article 4


---

4-1-1985

## Special Reports : Soybean Germplasm Advisory Committee

Soybean Genetics Newsletter

Follow this and additional works at: <http://lib.dr.iastate.edu/soybeangenetics>

 Part of the [Agriculture Commons](#), [Agronomy and Crop Sciences Commons](#), and the [Plant Breeding and Genetics Commons](#)

---

### Recommended Citation

Soybean Genetics Newsletter (1985) "Special Reports : Soybean Germplasm Advisory Committee," *Soybean Genetics Newsletter*: Vol. 12 , Article 4.

Available at: <http://lib.dr.iastate.edu/soybeangenetics/vol12/iss1/4>

This Article is brought to you for free and open access by the Journals at Iowa State University Digital Repository. It has been accepted for inclusion in Soybean Genetics Newsletter by an authorized editor of Iowa State University Digital Repository. For more information, please contact [digirep@iastate.edu](mailto:digirep@iastate.edu).

## IV. SOYBEAN GERmplasm ADVISORY COMMITTEE REPORT

The Soybean Germplasm Advisory Committee held its annual meeting Feb. 26, 1985, at the Soybean Breeders' Workshop in Memphis, Tennessee. Twelve of the 14 committee members were in attendance. The committee reviewed developments regarding soybean germplasm exchange with the Peoples' Republic of China. Very little progress had been made during the year, and it will continue to be an issue of concern for the committee. Election procedures, used for the first time this year, were reviewed. No major changes were suggested, but efforts to involve more of the soybean germplasm user community are needed. Those elected to three-year terms were: James Orf, University of Minnesota, Reid Palmer, USDA, Iowa State University, and Michael Sullivan, Clemson University.

Updates on both the northern and southern portions of the USDA Soybean Germplasm Collection were given by Richard Bernard and Calton Edwards, respectively. Those reports are presented elsewhere in this volume, so no details will be given here. The committee was briefed on the possible changes in assignment for personnel associated with the northern germplasm collection. The committee expressed concern about the effect that those changes would have on current efforts to expand the collection. The committee unanimously passed a motion urging the USDA to move forward as rapidly as possible to arrange for germplasm exchanges with collections around the world recently identified in a joint International Board of Plant Genetic Resources, International Soybean Project of the University of Illinois, and USDA project, and to provide adequate funding for the collection, maintenance, and evaluation of that material. Data from approximately 2900 and 2200 accessions from the southern and northern collections, respectively, have now been entered into the Germplasm Resources Information Network (GRIN). Corrections are now being made and it is anticipated that public access to that data through GRIN will be available in the near future.

The status and future of the perennial *Glycine* collection was discussed. The current USDA collection of less than 100 accessions is not large enough to meet the increasing demand fueled by a growing interest in these species; however, current facilities are not adequate to maintain the large number of accessions that could be obtained from Australia and the University of Illinois. A sub-committee of Richard Bernard, Reid Palmer, and Curtis Williams was

appointed to study the staffing and facilities alternatives discussed and to make a recommendation to the committee.

Randall Nelson reported that germplasm evaluation data he has collected and compiled with the help of Jean Lambert and James Orf, University of Minnesota, for over 2000 soybean accessions were distributed at the Soybean Breeders' Workshop. This information is currently available in three reports: maturity groups 0 and earlier, maturity groups I, II and III, and early maturing accessions in maturity group IV. For all groups, the data include all accessions between PI 273483 and PI 427107. These data will also be entered into GRIN this spring. Data on the remainder of the maturity group IV accessions with PI numbers less than 427107 will be available early this summer and data on approximately 2000 accessions in maturity groups 000 through IV between PI 427107 and PI 445845 will be available by September.

The future direction of the committee was discussed. It was decided that no major changes were needed, but that a yearly updated list of germplasm needs and research priorities would be sent to the appropriate USDA administrators each fall. Input to the committee from the germplasm user community is always welcome. Following are the current committee members, addresses, area of representation, and date of expiration of current term:

Name	Address	Area of Representation	Expiration of Term
R. L. Bernard	USDA ARS and Agronomy University of Illinois 1102 South Goodwin Urbana, IL 61801	USDA Germplasm Collection	ex officio
Edgar E. Hartwig	Delta Branch Exp. Stn. Box 196 Stoneville, MS 38776	USDA Germplasm Collection	ex officio
Thomas C. Kilen	USDA ARS SR P.O. Box 196 Stoneville, MS 38776	USDA Germplasm Collection	ex officio
Randall Nelson	USDA ARS and Agronomy University of Illinois 1102 South Goodwin Urbana, IL 61801	USDA Germplasm Collection	ex officio
Phillip Miller	USDA Beltsville Agric. Res. Center Building 005, BARC-West Beltsville, MD 20705	USDA National Program Staff	ex officio



Name	Address	Area of Representation	Expiration of Term
Kuell Hinson	USDA ARS and Agronomy University of Florida 304 Newell Hall Gainesville, FL 32611	Public Breeding, South	1987
Clark Jennings	Pioneer Hi-Bred Int'l P.O. Box 854 Cedar Falls, IA 50613	Private Breeding, North	1987
Curtis Williams	Jacob Hartz Seed Co. Box 946 Stuttgart, AR 72160	Private Breeding, South	1986
S. M. Lim	USDA ARS and Plant Path. University of Illinois 1102 South Goodwin Urbana, IL 61801	Pathology	1986
R. A. Kinlock	Agricul. Research Ctr. Route 3, Box 575 Jay, FL 32565	Nematology	1987
M. J. Sullivan	Edisto Experiment Stn. P.O. Box 247 Blackville, SC 29817	Entomology	1988
Richard Wilson	4124 Williams Hall N. Carolina State Univ. Raleigh, NC 27650	Physiology	1986
Reid G. Palmer	USDA ARS 4 Curtiss Hall Iowa State University Ames, IA 50011	Cytogenetics and Molecular Genetics	1988
J. H. Orf	Dept. of Agronomy and Plant Genetics University of Minnesota St. Paul, MN 55101	Plant Breeding, North	1988

Thomas Kilen was elected as chairperson of the committee and Clark Jennings was elected vice-chair. Both will serve one-year terms.

Randall Nelson, Chairperson  
Soybean Germplasm Advisory Committee